TANDBERG DATA
Securing your Information

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PROD_US_2007

Smarter storage

for smarter businesses.

Securing Your Data

Tandberg Data is a leading global supplier and manufacturer of backup and archiving solutions, based on the RDX®, SLR™, VXA™ and LTO™ technology platforms. The company offers secondary storage products based on tape drives, autoloaders, libraries, media, disk-based solutions, software and hardware components for mainstream configurations.

In November 2006, Tandberg Data acquired Exabyte Corporation. With the acquisition, Tandberg Data has doubled its size and stepped up among the major technology companies listed on the Oslo Stock Exchange. The combined product portfolios of the two companies provides customers with the full range of state-of-the-art, cost effective products and technologies to meet their needs. Tandberg products are supported by all major operating systems and software applications to successfully operate in heterogeneous network information storage environments. All solutions are designed to meet the growing storage requirements of small and medium sized organizations with scalability, reliability and backward compatibility features that ensure cost effective operation and long-term investment protection.

From Entry Level to SME

Rapidly growing capacity requirements and the increasing importance of electronic information have led the world-wide enterprise, Tandberg Data, from tape-oriented to storage-oriented thinking. Storage solutions coming from Tandberg Data are tailored to different needs. SLR systems assume data protection solutions in the entry-level range. Scalable automation products and drives on LTO and VXA platforms have been developed for mid-range and high-end environments.

All systems are equipped with intelligent management software providing information about quality of the data and the time it was stored. Tandberg Data's disk storage solutions, like the recently introduced RDX QuikStor, warrant highest data availability and reliability, and Tandberg Data Media completes the product range.

In addition to corporate offices and manufacturing facilities in Oslo, Norway, Tandberg Data has subsidiaries in USA, France, Germany, Singapore and Japan, as well as affiliate offices in India and China (PRC).

*Tandberg Data ASA is a publicly held company based in Oslo, Norway and is traded on the Oslo Stock Exchange (ticker=TAD).

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Removable Disk

RDX® QuikStor™

WHERE SMARTER STORAGE BEGINS

The exploding growth of mission-critical digital content combined with government regulated retention policies has created a need for secure, reliable and robust, portable data protection solution at an affordable cost.

Tandberg Data's RDX QuikStor is a cartridge-based removable disk storage system that offers a rugged, reliable and convenient storage solution for backup, archive, data interchange and disaster recovery. It combines the best features of tape (convenience, portability, archive life, low cost) with the benefits of hard disk (high performance, random access, high reliability) and meets the performance requirements of users from professional to entry-level enterprise.

The RDX QuikStor features high performance with up to 162GB/hr transfer rate and is available in 80GB, 160 or 300GB capacities. RDX media is randomly accessed so stored files can be immediately retrieved without time-consuming sequential seeks. Single files and selected volumes can be restored in seconds instead of hours.

Disk Product of the Year 2007

RDX QUIKSTOR DRIVES SPECIFICATION

MODEL	INTERNAL	EXTERNAL
Capacity - GB*	80, 160, 300	80, 160, 300
Transfer Rate - MB/s	25–45	25–30
Interface	SATA	USB 2.0
Media Usage - GB	80, 160, 300	80, 160, 300

RDX QUIKSTOR MEDIA SPECIFICATIONS

MODEL	PART NO.	MAXIMUM CAPACITY - GB	DATA TRANSFER RATE - MB/s (USB/SATA)
RDX 80GB	8414	80	25 / 35
RDX 160GB	8458	160	25 / 45
RDX 300GB	8471-RDX	300	25 / 45

RDX® Advantages

EASE OF USE
Easily drag and drop data files across. Simple cartridge load allowing easy and complete backup. The drives are plug and play versions with internal (mounted into a server bay) and external (tabletop) models.

CONVENIENT AND SECURE
The RDX can be used as a removable media device to backup your server, providing the convenience of tape with the ability to take off-site copies for archiving and peace of mind.

COST EFFECTIVE AND FUTURE PROOF
The initial setup cost is minimal compared to other entry level tape based solutions. Drive and cartridges are more durable, resulting in lower TCO. A truly cost effective solution that is suitable for SOHO users to departmental users.

FASTER BACKUP AND ACCESS
High-performance disk-based speed and access, backing up to 162GB/hr and near-instant file retrieval.

RUGGED AND TOUGH
The cartridges last over 10 years and are designed in a way that makes them more rugged and shockproof. The cartridge is also ESD proof to ensure that the device is protected from static electricity.

Common RDX Applications

AS A REMOVABLE-PORTABLE HDD FOR DATA X-CHANGE
- 'Drag & Drop' files and folders between disks.
- Share data between computers.
- User define files to backup e.g. documents, photos, mp3 etc.
- Native File-System operation support: NTFS, FAT32, ext2/ext3, HFS+

VIEWED AS A REMOVABLE DRIVE E.G. D:\>
- Copy files to the D:\> drive.
- Data stored on the RDX cartridge can be accessed using any other RDX drive attached to other workstations.

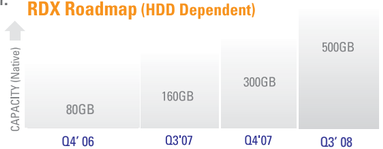
AS A BACKUP DISK-DEVICE
- Native support for Microsoft® Backup.
- 3rd party backup software support e.g. Symantec®, CA®, EMC® etc.
- Multiple RDX media can be used for daily or weekly backup.
- Same cartridge form-factor for ease of management, e.g. Using Microsoft Native Backup
- Backup to RDX removable disk folder.
- Faster backup than entry level tape system.

RDX TAPE DRIVE SPECIFICATIONS

DESCRIPTION		PART NO.
Standalone Drive	SATA	8417
	USB	8426
RDX Drive with 1x160GB Media	SATA	8459
	USB	8461
RDX Drive with 1x300GB Media	SATA-Int.	8472-RDX
	USB-Int.	8473-RDX
	USB-Ext.	8497-RDX

Int. – Internal drive
Ext. – External drive

RDX Roadmap (HDD Dependent)



Stand Alone Tape Drives

LTO™ Tape Drives

A COST-EFFECTIVE SOLUTION THAT MEETS ALL YOUR BACKUP AND ARCHIVING REQUIREMENTS

Tandberg Data LTO™ Tape Drives offer a range of Full Height and Half Height drives suited for customers looking for tape storage devices that can meet any of their business requirements: cost effective, reliable, scalable and at the same time providing maximum backward compatibility.

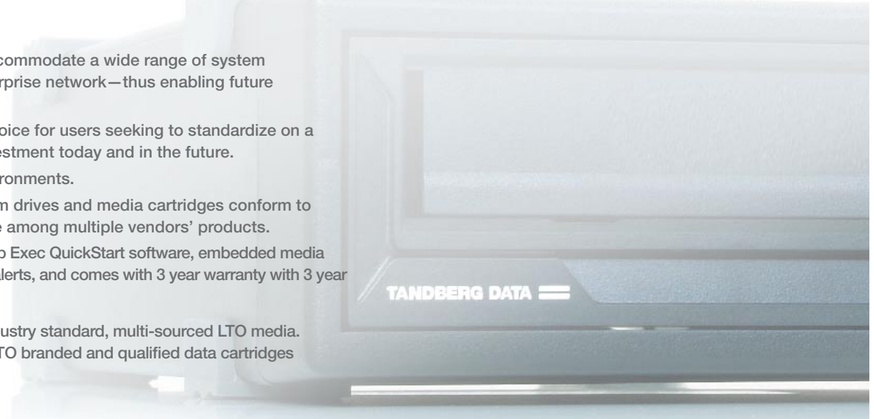
BENEFITS OF LTO TECHNOLOGY

- Scalable performance characteristics to accommodate a wide range of system platforms— from a single server to the enterprise network—thus enabling future system growth.
- Six generation roadmap makes it a clear choice for users seeking to standardize on a tape technology, hence protecting their investment today and in the future.
- Easily integrates into current operating environments.
- Compliance testing ensures that LTO Ultrium drives and media cartridges conform to the specification to deliver data interchange among multiple vendors' products.

Tandberg LTO drives ship with Symantec's Backup Exec QuickStart software, embedded media management for intelligent diagnostics and tape alerts, and comes with 3 year warranty with 3 year Advanced Exchange.

The Tandberg LTO drives are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.

LTO-3 (Half-Height)



Why choose Tandberg Data LTO™ Products?

Tandberg Data LTO products are stringently tested to conform to all LTO technology standards.

Tandberg Data offers a complete array of LTO solutions comprising of tape drives, autoloaders, and small and midrange libraries to cater for all business sizes.

Tandberg Data LTO solutions are designed to grow with users' needs across all platforms and operating systems, protecting their IT investments.

DESCRIPTION	DRIVE TYPE	PART NO.
LTO-2 HH Drive	SCSI External Bare	3054
LTO-3 HH Drive	SCSI Internal Bare	3220
	SCSI Internal Kit	3253
	SCSI External Kit	3254
	SCSI External Bare	3252
LTO-4 FH Drive	SCSI Internal Bare	7200
	SCSI External Kit	7202
	SAS Internal Bare	7203

LTO-4 (Full-Height)

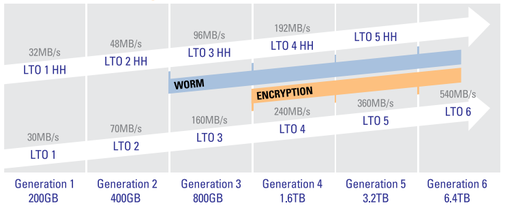
For more drive configurations, please visit www.tandbergdata.com/us

* HH—Half-Height
FH—Full Height

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-1HH	LTO-2HH	LTO-3HH	LTO-3FH	LTO-4FH
LTO-1 Ultrium	R/W	R/W	R	R	
LTO-2 Ultrium		R/W	R/W	R/W	R
LTO-3 Ultrium			R/W	R/W	R/W
LTO-4 Ultrium					R/W

LTO Ultrium Roadmap



LTO TAPE DRIVE SPECIFICATIONS

MODEL	LTO-1 HH	LTO-2 HH	LTO-3 HH	LTO-3 FH	LTO-4 FH
Capacity - GB*	200	400	800	800	1600
Transfer Rate - MB/s*	32	48	120	160	240
Interface	Ultra 160 SCSI	Ultra 160 SCSI	Ultra 160 SCSI	Ultra 160 SCSI/FC	Ultra 160 SCSI/FC/SAS
Media	LTO-1	LTO-2	LTO-3	LTO-3	LTO-4

* Based on a 2:1 Data Compression Rate

VXA™ Tape Drives

TECHNOLOGY THAT YOU CAN RELY ON

Tandberg Data VXA™ Tape Drives use an award-winning packet technology that enables VXA drives to read and write data on tape using digital packets, just like the internet. VXA technology provides far superior restore integrity, exceptional transfer speeds and scalable capacity.

The drives deliver transfer speeds ranging from 6MB/s to 24MB/s*, and allowing network administrators to backup up to 320*GB of data. With PerfectWrite™ and 4 Reed-Solomon Error Correction, VXA products are the only tape devices that are up to 180x more likely to restore your data—even from a damaged tape.

Tandberg VXA drives ship with Symantec's Backup Exec QuickStart software and come with 3 year warranty with 3 year Advanced Exchange on the VXA-320, 3 year warranty with 1 year Advanced Exchange on VXA-2.

Tandberg Data's VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg VXA tape drives, autoloaders, and libraries. Imation Corporation is the exclusive worldwide distributor of VXA tapes.

VXA-2 Internal

VXA-320 Internal

VXA™ Advantages

VXA External

HIGHLY DURABLE

Over three successive generations, VXA products have been disaster tested by Tandberg Data and independent labs under the most severe conditions—including violent vibration, immersion in volcanic dust, boiling water and hot coffee, and even freezing cartridges in ice—to ensure reliable and complete data restores.

BETTER SCALABILITY

VXA Packet drives and tapes offer scalable capacity—three media length choices provide just the right capacity for today's backup needs and the flexibility to scale for future data growth.

GUARANTEED COMPATIBILITY

Compatible with all VXA drives: IBM, Fujitsu-Siemens, Apple, Acer.

DESCRIPTION		PART NO.
VXA-2 Drive	Internal	114.00500
	External	115.02501
VXA-320 Drive	Internal	114.00600
	External	115.02601

For more configurations please visit www.tandbergdata.com/us

MEDIA COMPATIBILITY CHART

PRODUCT	VXA-2	VXA-320
X23 (230m) Data Cartridge - GB	80 / 160	160 / 320
X10 (124m) Data Cartridge - GB	40 / 80	86 / 172
X6 (62m) Data Cartridge - GB	20 / 40	40 / 80
V17 (170m) Data Cartridge - GB	60 / 120	Not used
V6 (62m) Data Cartridge - GB	20 / 40	Not used

VXA TAPE DRIVES SPECIFICATIONS

MODEL	VXA-2	VXA-320
Capacity - GB*	160	320
Transfer Rate - MB/s*	12	24
Interface	LVD SCSI / Firewire	LVD SCSI / Firewire / USB
Media Usage	X23, X10, X6, V17, V6	X23, X10, X6

* Based on a 2:1 Data Compression Rate

SLR™ Tape Drives

ENTRY LEVEL BACKUP DEVICES THAT YOU CAN TRUST

With the industry's highest reliability rating of an average field return rate of less than 1.5%, Tandberg Data SLR™ (Scalable Linear Recording) is a proven technology with over 3 million drives shipped to the market. The wide range of backwards compatibility of media supported also means that customers' investments are protected.

Tandberg Data SLR Tape Drives are compatible with all major software platforms, and ideal for entry-level Intel-based PC Servers running on the Windows, Netware and Linux operating environments.

Tandberg SLR drives ship with Symantec's Backup Exec QuickStart software and comes with 3 years warranty and support.

Tandberg Data's SLR cartridges are the perfect complement to SLR technology. They provide the necessary features needed for Tandberg SLR tape drives.

SLR DRIVES SPECIFICATIONS

MODEL	SLR140	SLR100	SLR75	SLR7
Capacity - GB*	140	100	75	40
Transfer Rate - MB/s*	12	10	8	6
Interface SCSI	Ultra 2	Wide SCSI	Wide SCSI	Wide SCSI
Media Usage	SLR 140	SLR 100	SLR 75	SLR 7

* Based on a 2:1 Data Compression Rate

SLR Advantages

SMALL BUT EXCELLENT
The SLR tape drives are the best choice for smaller network environments, PC servers or workstations.

RELIABLE
With an annual return rate of less than 1.5%, the Tandberg SLR series is, thanks to its robust design and simple mechanism, the most reliable product on the storage market.

DESCRIPTION		PART NO.
SLR7 (Grey)	Bare	4720 6620 00
	Internal	4721 6940 00
	External	4722 7156 00
SLR75 (Grey)	Bare	6621 6840 00
	Internal	6621 6938 00
	External	6622 7154 00
SLR100 (Grey)	Bare	6521 6137 00
	Internal	6521 6936 00
	External	6522 6937 00
SLR140 Drive (Grey)	Bare	6720 6784 00
	Internal	6721 6734 00
	External	6722 7152 00

For more configurations please visit www.tandbergdata.com/us

A SAFE INVESTMENT
The on-going enhancement of proven SLR products is a continuous process, unlike other technologies that are limited by their technical approach. Through ongoing development, SLR cartridges currently offer capacities of up to 140GB.

DURABILITY: MORE THAN 30 YEARS**
The reliability and durability of SLR media have been proven through 25 years of field experience and are not drawn from projections based on simulation tests.

** under optimal archival conditions

MEDIA COMPATIBILITY CHART

TAPE FORMAT	SLR 140	SLR 100	SLR 75	SLR 7
SLR 140	R / W			
SLR 100	R / W	R / W		
SLR 75	R / W	R / W	R / W	
SLR 60	R / W	R / W	R / W	
SLR 50 (MLR3)	R / W	R / W	R / W	
SLR 40	R / W	R / W	R / W	
SLR 7	R	R	R	R / W
SLR 32 (MLR1)		R	R	
SLR 24 (SLR6)		R	R	
SLR 5 (QIC-4GB)			R	R
SLR 4 (DC) (QIC-2GB)				R

SLR™ Compatibility Overview—Tandberg Data SLR™ tape drives and media

StorageLoader LTO™

RELIABLE AUTOMATION AT AN UNBEATABLE PRICE

The Tandberg StorageLoader LTO™ provides a unique cartridge load design with two 4-slot removable magazines storing a total of eight data cartridges and in a streamlined 1U form factor.

Each magazine may be ejected through the LCD user interface and there is an emergency eject feature for the magazines in case of power failure. Convenient barcode labeling of the eight data cartridges (or seven plus a cleaning cartridge) in two magazines provides a controlled backup for quick and accurate off-site storage. To facilitate disaster recovery plans, bulk loading and off-site storage are easily handled for increased security and convenience.

The convenience and reduced administrative resources of an automated solution and a mid-range feature set at a budget-friendly cost makes the Tandberg StorageLoader LTO a "best-in-class" choice for small to medium businesses moving to automated backup from traditional standalone tape drives.

The Tandberg StorageLoader LTO ships with a bar code reader, rack kit, remote management and Symantec's Backup Exec QuickStart software and comes with 3 years Advanced replacement Service, warranty and support.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.

StorageLoader LTO3

StorageLoader LTO™ Advantages

CAPACITY AND PERFORMANCE

Industry Standard LTO Drives offer high capacity and performance as the StorageLoader LTO continues to evolve in line with the LTO product roadmap.

EASE OF USE

Removable magazines, remote web management and an easy to use LCD interface for system monitoring, bulk loading and off-site storage.

DENSITY

A streamlined 1U form factor design to optimize valuable rack space, the StorageLoader LTO autoloader offers 8 slots and up to 6.4TB of storage capacity.

RELIABILITY

Simplified robotics and cartridge loading, combined with solid metal construction and customer replaceable units to minimize downtime and reduce the overall Total Cost of Ownership (TCO).

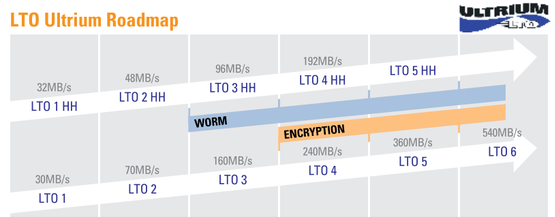
DESCRIPTION	PART NO.
StorageLoader LTO-1 w/BCR	7164
StorageLoader LTO-2 w/BCR	7192
StorageLoader LTO-3 w/BCR	7194

For more configurations please visit www.tandbergdata.com/us

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-1 HH	LTO-2 HH	LTO-3 HH
LTO Ultrium 1	R / W	R / W	R
LTO Ultrium 2		R / W	R / W
LTO Ultrium 3			R / W
LTO Ultrium 3 WORM			R / W

LTO Ultrium Roadmap



STORAGELOADER LTO SPECIFICATIONS

MODEL	LTO-1	LTO-2	LTO-3
Capacity	800GB / 1.6TB	1.6TB / 3.2TB	3.2TB / 6.4TB
Transfer Rate	16 / 32MB/s*	24 / 48MB/s*	60 / 120MB/s*
Form Factor	1U	1U	1U
No. of Slots	8	8	8
Interface	SCSI Ultra2 LVD	SCSI-3 Ultra160 HD68	Ultra160 SCSI / LVD
Media	R/W: LTO-1	R/W: LTO-1 & 2	R: LTO-1, W: LTO-2 & 3

* Based on a 2:1 Data Compression Rate. R/W – Read / Write

StorageLoader VXA™

THE GOLD STANDARD IN TAPE BACKUP AND RESTORE

The StorageLoader VXA™ 1U 1x10 Slot Autoloader sets the standard in data density, data reliability, transfer speed and price for this class of automation products.

In addition to its compact 1U, rackmountable form factor, it offers a midrange feature set, including a barcode reader as standard, random library operation and standard remote management. The product is available with VXA-2, or VXA-320 drives and a maximum capacity of 3.2TB and a maximum transfer rate of 86GB/hr.

The StorageLoader VXA uses three different cartridge capacities (40/80GB, 80/160GB and 160/320GB), providing VXA users the flexibility to choose the capacity that best meets their current storage and budget needs and the ability to add capacity on demand, simply by using larger capacity VXA Tapes.

Tandberg Data's VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg VXA tape drives, autoloaders, and libraries. Imation Corporation is the exclusive worldwide distributor of VXA tapes.

StorageLoader VXA™ Advantages

Durability
Uses VXA-320 (VXA-3) Packet Tape Drives with patented VXA Packet Technology—extreme tested for 100% data restore integrity.

Streamlined Design
Uses a compact 1U rack-mounted design to accommodate space constraints.

Scalable Capacity
Offers ten 320GB cartridge slots for up to 3.2TB backup capacity at a transfer speed of up to 86.4GB/hr. to deliver the best combination of speed and capacity available in any comparable autoloader.

Value For Money
Incorporates midrange autoloader features such as a barcode reader as standard, random library operation and standard remote management functionality at an entry-level price.

DESCRIPTION	PART NO. (SCSI)	PART NO. (Firewire)
StorageLoader VXA-2	119.00500	119.11500
StorageLoader VXA-320	119.00610	9611-VXA

For more configurations please visit www.tandbergdata.com/us

MEDIA COMPATIBILITY CHART

PRODUCT	VXA-2	VXA-320
X23 (230m) Data Cartridge - GB	80 / 160	160 / 320
X10 (124m) Data Cartridge - GB	40 / 80	86 / 172
X6 (62m) Data Cartridge - GB	20 / 40	40 / 80

STORAGELOADER VXA SPECIFICATIONS

MODEL	VXA-2	VXA-320
Capacity (Native / Comp*)	860GB / 1.6TB*	1.6TB / 3.2TB*
Transfer Rate - MB/s (Native / Comp*)	6 / 12*	12 / 24*
Form Factor	1U	1U
No. of Slots	10	10
Interface	SCSI-2 Ultra2 LVD Firewire	SCSI-3 Ultra160 HD68 / Firewire
Media Usage	X23, X10, X6	X23, X10, X6

* Based on a 2:1 Data Compression Rate

Magnum 1x7 LTO

RICH FEATURE SET, LEADING PRICE POINT AND SUPERIOR ENGINEERING

For IT managers and network administrators needing automated tape backup, the Tandberg Magnum 1x7 LTO Tape Autoloader is an ideal solution. The Magnum 1x7 offers affordable automation, remote management and a bar code reader for easy management—all contained in a slim 2U rack size. And with transfer rates of up to 864GB* per hour and a capacity of up to 11.2TB*, the 1x7 allows for better total cost of ownership and return on investment than competitive products.

An intuitive, user-friendly LCD interface guides you through the configuration, status, diagnostic and help functions and we include seven cartridge cells, which provide a full week of unattended backup, along with Backup Exec™ QuickStart software so you have immediate backup and restoration of your data.

To assist you in meeting the numerous data archiving regulations, the Magnum 1x7 leverages Write Once, Read Many (WORM) technology, which allows you to store data in a non-erasable, non-rewritable format.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.

Magnum 1x7 LTO Advantages

PLUG AND PLAY
The Magnum 1x7 LTO includes remote management, bar code reader, rackmount kit and Backup Exec QuickStart software so you are up and running within minutes.

BLAZING TRANSFER RATES
The Magnum 1x7 LTO Tape Autoloader delivers up to 11.2TB* of capacity at a transfer rate of up to 864GB* per hour.

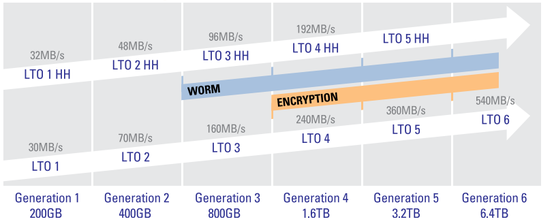
RELIABILITY
Tandberg Data's award-wining patented robotics is built on its 25-year legacy of superior engineering, quality and reliability.

MINIMIZE DOWNTIME
To help ensure that you stay up and running, Tandberg Data includes a 1 year warranty of On-Site Service.

DESCRIPTION	PART NO.
Magnum 1x7 LTO-3	270042-250
Magnum 1x7 LTO-4	270042-400

For more configurations please visit www.tandbergdata.com/us

LTO Ultrium Roadmap



MAGNUM 1X7 LTO SPECIFICATIONS

MODEL	Magnum 1x7 LTO-3	Magnum 1x7 LTO-4
Capacity	2.8 / 5.6TB*	5.6 / 11.2TB*
Transfer Rate	216 / 432GB/hr*	432 / 846GB/hr*
Form Factor	2U	2U
No. of Slots	7	7
Interface	Ultra 160 HD LVD SCSI	Ultra 160 HD LVD SCSI
Media	Read: LTO-1, Write: LTO-2 & 3	Read: LTO-2, Write: LTO-3 & 4

* Based on a 2:1 Data Compression Rate

Tape Libraries

StorageLibrary T40+ and T80+

THE TRULY FLEXIBLE ENTERPRISE STORAGE

The Tandberg StorageLibrary T40+ and T80+ are the most competitively positioned midrange tape libraries in the market, offering capacities up to 123TB in a 4 or 8U rack optimized solution, supporting both SCSI and FC connectivity. Whether you are planning for data growth, looking into upgrading to the next generation of LTO™ drive, storage consolidation, or integrating into a SAN solution, the StorageLibrary T40+ and T80+ were developed with versatility and flexibility in mind to provide the maximum upgrade path to cater for all scenarios—while protecting your investment. The Tandberg StorageLibrary T40+ and T80+ are designed to provide:

- Flexibility to mix SCSI and Fibre Channel in the same library with the ADI interface.
- Flexibility over media with easy cartridge management.
- Flexibility over operations via in-built partitioning that enables users to create 4x virtual tape libraries.

The StorageLibrary T40+ and T80+ come with a 1 year Advanced Replacement Service and with 3 years warranty and support.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.

StorageLibrary T40+ and T80+ Advantages

BUDGET FRIENDLY

With a base configuration price comparable to various autoloaders available on the market today, the Tandberg StorageLibrary T40+ and T80+ offer users the lowest entry into true enterprise storage.

MEETING BACKUP WINDOWS

The StorageLibrary T40+ and T80+ help customers meet their backup window requirements with the option to scale up to 4 FH drives and provides enterprise performance by offering 2GB or 4GB native fibre channel connectivity.

MANAGING EXPONENTIAL DATA GROWTH

The StorageLibrary T40+ and T80+ offer one of the higest density libraries in the industry, by scaling up to 40 tape slots in a 4U rack space. The default capacity of 24 tape slots can be increased via Capacity on Demand up to 77 slots.

ENTERPRISE MANAGEMENT

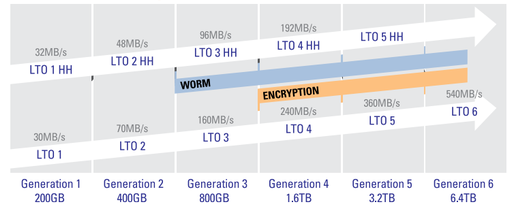
The StorageLibrary T40+ and T80+ have a user-friendly interface and include an integrated barcode reader, remote management features, Export/Import slot, Customer Replaceable Units, drive hot swapping, audible alarm and real-time clock functions as standard.

For more configurations please visit www.tandbergdata.com/us

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-3	LTO-4
LTO Ultrium 1	R	
LTO Ultrium 2	R / W	R
LTO Ultrium 3	R / W	R / W
LTO Ultrium 4		R / W

LTO Ultrium Roadmap



TANDBERG STORAGELIBRARY SPECIFICATIONS

MODEL	T40+ LTO-3 FH	T80+ LTO-3 FH	T40+ LTO-4 FH	T80+ LTO-4 FH
Max Capacity - TB (Native / Comp*)	16/32*	31/62*	32/64*	62/124*
Transfer Rate*	576 / 1100GB/hr*	1.1 / 2.2TB/hr*	864 / 1700GB/hr*	1.7 / 3.5TB/hr*
Form Factor	4U	8U	4U	8U
No. of Drives	1-2	1-4	1-2	1-4
No. of Slots	24 or 40	77	24 or 40	77
Interface	Ultra 160 LVD SCSI, FC or SAS			

* Based on a 2:1 Data Compression Rate

StorageLibraryT24

SETTING THE STANDARD FOR ENTRY-LEVEL LTO™ TAPE AUTOMATION

The Tandberg StorageLibrary T24 is ideally suited for SMBs or departments looking for a cost effective storage solution that provides them with just the right mix of reliability and scalability.

The Tandberg StorageLibrary T24 offers outstanding value for IT departments that need capacities up to 32TB*, and the Capacity on Demand (COD) feature allows users to easily increase usable capacity as their data grows. With a choice of one LTO-3 or LTO-4 SCSI or FC drives or one or two LTO-2 or LTO-3 HH drives, and the flexibility of Performance on Demand (POD), users can add drives or upgrade to next generation technology to increase their library's performance when they need it.

The StorageLibrary T24 has a host of management and maintenance features, ensuring minimized down-time and ease of management. Using the browser based remote management interface, administrators can remotely monitor, control, configure and diagnose the StorageLibrary T24 via the Internet from anywhere in the world.

The StorageLibrary T24 comes with a 1 year warranty with 1 year on-site service.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.

DESCRIPTION	PART NO. (24 Slots)
With 1 x LTO-2 HH Drive	270052-200
With 1 x LTO-3 HH Drive	270052-110
With 1 x LTO-3 FH Drive SCSI	270052-100
With 1 x LTO-3 FH Drive FC	270052-150
With 1 x LTO-4 FH Drive SCSI	2400-LTO
With 1 x LTO-4 FH Drive FC	2450-LTO

For more configurations please visit www.Tandbergdata.com/us

StorageLibrary T24 Advantages

WIDE VARIETY OF DRIVES
Supports up to two Ultrium LVD SCSI LTO-2 HH or LTO-3 HH drives, one LVD SCSI LTO-3 or LTO-4 drive, or one Native Fibre Channel LTO-3 or LTO-4 drive.

FULLY SCALABLE
Base unit is kitted with two 12-cartridge-magazines, that includes one Import/Export (I/E) port. Easily and inexpensively double your speed by upgrading to a second LTO-2 or LTO-3 HH drive, even when installed in a rack, creating one of the world's first 2U dual drive LTO loaders.

BETTER PERFORMANCE
Delivers from 4.8TB to 32TB* of capacity at a transfer rate of up to 864GB/hr*.

USER FRIENDLY
Uses an intuitive, user-friendly LCD interface for configuration, status, diagnostic, and help functions.

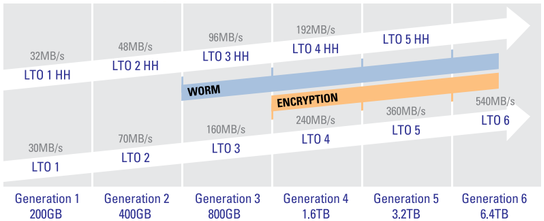
ADI SUPPORT
Featuring Automation/Drive Interface (ADI) that reduces cost, increases automation reliability to ensure enhanced end user simplicity.

FIELD UPGRADEABLE
Capacity on Demand (COD) enables easy expansion of usable capacity as data grows by adding or upgrading drives.

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-2 HH	LTO-3	LTO-4
LTO Ultrium 1	R / W	R	
LTO Ultrium 2	R / W	R / W	R
LTO Ultrium 3		R / W	R / W
LTO Ultrium 4			R / W

LTO Ultrium Roadmap



TANDBERG STORAGELIBRARY T24 SPECIFICATIONS

MODEL	LTO-2 HH	LTO-3 FH	LTO-3 HH	LTO-4 FH
Max Capacity - TB (Native / Comp*)	4.8 / 9.6*	9.6 / 19.2*	9.6 / 19.2*	19.2 / 38.4*
Transfer Rate - GB/hr*	86 / 346*	288 / 576*	216 / 432*	432 / 864*
Form Factor	2U	2U	2U	2U
No. of Drives	2	1	2	1
No. of Slots	24	24	24	24
Interface	Ultra 160 SCSI / LVD	Ultra 160 SCSI / LVD FC	Ultra 160 SCSI / LVD	Ultra 160 SCSI / LVD FC

* Based on a 2:1 Data Compression Rate

Media

Tandberg Tape Media

The Preferred Media for Tandberg Storage Solution

QUALITY ASSURANCE FOR YOUR TANDBERG STORAGE SOLUTION

Tandberg Data Tape Media and storage products are the result of many years of joint development and continuous enhancements. This helps to meet the increasing capacity, performance and cost-efficiency demands. The industry-leading quality and reliability of our products is acknowledged by leading international OEM customers.

Our partners are dependent on optimum data security for their mission critical data storage needs. Using Tandberg Data branded media with Tandberg Data branded storage products assures industry-leading performance and data security. Tandberg Data media is always the right choice because it is designed to work with our products. To achieve and maintain the maximum benefit of your Tandberg Data branded storage product, we recommend using Tandberg Data media cartridges with them.

Tandberg Data's VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg VXA tape drives, autoloaders, and libraries. Imation Corporation is the exclusive worldwide distributor of VXA tapes.

How should I store and maintain tape media?

TEMPERATURE AND HUMIDITY

To achieve maximum tape media life, users must ensure that they are kept under optimum temperature and humidity conditions. Tapes should not be exposed to temperatures exceeding 120° Fahrenheit, such as under direct strong sunlight. The high temperature may cause the tape to melt, increasing chances of the adjacent layers of tape sticking together. Hence, tape cartridges are best stored under room temperature.

AVOID MAGNETIC FIELDS AND DUST

Tape media should be kept away from strong magnetic fields and dust to reduce the risk of data loss. The most common sources of magnetic field exposure is contact or long-term proximity to regular, permanent magnets such as cathode-ray tubes, transformers and speakers. Tape media may also be damaged by being left out of its storage case, or inside a media drive for a long time, during which dust is collected.

CLEAN THE TAPE DRIVE REGULARLY

Using a tape drive with a dirty head might cause data problems, hence regular cleaning is a must. When the tape drive is turned on, its built-in fan may cause small amounts of dust to enter the drive. Ideally, cleaning of the tape drive should be scheduled weekly.

CHANGING MEDIA

The life of each tape media depends on the way it is utilised and stored, as well as the condition of the tape drive. Hence, tape media should be replaced when necessary.

SLR MEDIA SPECIFICATIONS

MODEL	PART NO.	MAX CAPACITY - GB (NATIVE / COMPR.)	DATA TRANSFER RATE - MB/s (NATIVE / COMPR.)
SLR 7	0043 2294-1	20 / 40*	3 / 6*
SLR 75	0043 2746	38 / 76*	4 / 8*
SLR 100	0043 1891-1	50 / 100*	5 / 10*
SLR 140	0043 2687	70 / 140*	5 / 10*

* Assuming 2:1 Data Compression Rate. Max Capacity and Transfer Rate will be determined by the performance of the drive

LTO MEDIA SPECIFICATIONS

MODEL	PART NO.	MAX CAPACITY - GB (NATIVE / COMPR.)	DATA TRANSFER RATE - MB/s (NATIVE / COMPR.)
LTO 1	432630	100 / 200*	20 / 40*
LTO 2	432744	200 / 400*	40 / 80*
LTO 3	433216	400 / 800*	80 / 160*
LTO 4	433781	800 / 1600*	120 / 240*
Cleaning Cartridge	432631		

* Assuming 2:1 Data Compression Rate. Max Capacity and Transfer Rate will be determined by the performance of the drive

RDX MEDIA SPECIFICATIONS

MODEL	PART NO.	MAX CAPACITY - GB (NATIVE / COMPR.)	DATA TRANSFER RATE - MB/S (INTERNAL/EXTERNAL)
RDX 80GB	8414	80 / 160*	25 / 35
RDX 160GB	8458	160 / 320*	35 / 45
RDX 300GB	8471-RDX	300 / 600*	35 / 45

* Assuming 2:1 Data Compression Rate.

Service

World-Class Service to Minimize Downtime

Tandberg Data offers a wide range of service, repair and warranty offerings to minimize downtime and further protect your business critical data.

WARRANTY

Tandberg Data includes limited warranties on every product we sell. Service for Tandberg Data products under warranty is provided by Tandberg Data's fully trained and qualified technicians. Any products found to be defective within the warranty period will be repaired or replaced without charge.

SECURESERVICE

For customers who require higher levels of service to minimize downtime and its associated costs, Tandberg Data offers extended on-site service options:

- NBD—On-site-support during the next business day, five days a week, eight hours a day.
- 7x24—On-site-support, seven days a week, twenty-four hours a day, any day of the week, including bank holidays.

ADVANCED REPLACEMENT SERVICE

A replacement unit or its components will be shipped to the customer's site, free of charge, within 2 business days. Advanced Replacement Service is available to customers throughout the US. Visit www.tandbergdata.com/us for more details.

ADDITIONAL SERVICE OFFERINGS:

BRING-IN REPAIRS

Tandberg Data will repair products outside the warranty period. For a small charge, Tandberg Data's fully trained and qualified technicians will check and repair the unit.

MEDIA BULK ERASE

The bulk erase service from Tandberg Data saves you work and provides peace of mind that all data, such as company critical information, has been completely erased.

MAINTENANCE

Tandberg Data qualified engineers will be able to refurbish Tandberg Data hardware or carry out firmware updates.

STANDARD SERVICE AND TECHNICAL SUPPORT

TAPE DRIVES	Standard Warranty and Service	Warranty Upgrade	Advanced Replacement Upgrade	On-site Service Upgrade
SLR Drives	3 yrs AdEx			
VXA Drives	3 yrs AdEx			
LTO Drives	3 yrs AdEx			
REMOVABLE DISK				
RDX QuikStor	3 yrs AdEx			
TAPE AUTOMATION				
StorageLoader VXA	3 yrs AdEx with 1 year AdEx (VXA-2) 3 yrs AdEx with 3 year AdEx (VXA-320)		1-3 yrs 1-3 yrs	
StorageLoader LTO	3 yrs with AdEx		1-3 yrs	
Magnum 224	1 yr with NBD OSS	2-5 yrs*		2-3 yrs NBD OSS
StorageLibrary T40[+] and T80	1 yr with NBD OSS	2-5 yrs*		2-3 yrs NBD OSS

* AdEx= Advanced Exchange
** NBD OSS = Next Business Day On-site Service
***Free Technical Phone and Web Support included with all products

If you have any questions about protecting your data, Tandberg Data storage specialists are available globally to offer you help in finding the best solution for your business.

Please contact Tandberg Data
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www.tandbergdata.com/us

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